

UNICLEAN-AMERICA

Clean ships - Clean sea

• **TANK CLEANING PRODUCTS:-**

A. ALKALINE BASED TANK CLEANER

1. **AQUATUFF HIGH FOAM CARG HOLD CLEANER** : Concentrated alkaline cleaner with high foam agent mainly used for pet coke removal, cost effective, non- flammable, biodegradable, water based heavy duty alkaline cleaner for removal of oily stains from such cargoes as pet coke and coal. Also contains a specialized blend of synthetic surfactants which allow for more cling time to cargo hold surfaces., Aquatuff High Foam is specially developed for cargo hold cleaning of MARPOL Annex II Cargoes.
2. **CARGO HOLD CLEAN HD SUPER** : strong & heavy duty Concentrated alkaline cleaner based on blend & combination of potassium hydroxide, wetting agent, water hardness stabilizer, grease cutter agent & surfactant, mianly used for toguhest cargos soot removal, inert gas soot, oil contamination, pet coke removal, cost effective, non- flammable, biodegradable, water based heavy duty alkaline cleaner for removal of oily stains from such cargoes as pet coke and coal. Also contains a specialized blend of synthetic surfactants which allow for more cling time to cargo hold surfaces., Aquatuff High Foam is specially developed for cargo hold cleaning of MARPOL Annex II Cargoes.
3. **ALKACLEAN HD CARG HOLD CLEANER** : Strong & heavy duty alkaline liquid degreasing agent for removal of vegetable, fish and animal oils and fats from epoxy / polyurethane coated or stainless steel tanks by injection or circulation method, can be used also to clean pet coke, caked grease, carbon stains, Through saponification and emulsification provides economic removal of vegetable and animal oils, can be used on most common metals except aluminum, tin, zinc and galvanized metals. Safe to use on epoxy and polyurethane coatings but it is not suitable for use on zinc silicate coatings, most paints and lacquers. Deodorizes certain residues.
4. **IGS CONCENTRATE/AKACLEAN HD POT CARG HOLD CLEANER** : super strong & Heavy duty concentrated alkaline cleaner, based on concentrated blend of potassium hydroxide, wetting agent, water hardness stabilizer & surfactant, free of solvent, for toghest cargo, mianly used for soot removal, inert gas soot, oil contamination, can also be used for removal of vegetable, fish and animal oils and fats minral and chemical contaminations
5. **MARISOL HD SAFE CARGO HOLD CLEANER** : Caustic free, solvent free, Heavy duty biodegradable all purpose alkaline cleaner & degreaser, safe to be used with most metals, including Aluminum, can be used for tank cleaning, Suitable for use on most tank coatings including aluminum, zinc alloy and other light metal alloys, used for Cleaning of oil, grease, lubricants, IG soot, mineral oil, fish oil & residues in heat exchangers, preheaters, also used & high pressure wash where tuff oil & grease deposit need to be removed
6. **CHLOR 12:** Sodium hypochlorite-based product used as bleach, disinfecting the tanks & killing germs & bacteria, it will eliminate bad odors, clean the tank from mineral oils and pet cokes. Aluminum

B. NEUTRAL BASED TANK CLEANER

1. **TANK CLEAN NEUTRAL HCF/ CARG HOLD CLEANER** : Ecofriendly biodegradable tank cleaning agent based on wetting agents & surfactants free from acid, solvent or alkaline, used to clean zinc coated tanks and hydrocarbon free cleaning used for removal of vegetable, fish and animal oils and fats where alkaline product cannot be used.
2. **HYDROCARBON REMOVER/ CARG HOLD CLEANER** : Especially developed for the removal of vegetable, animal and mineral oils as well as fats where cleaning with ALKACLEAN is not possible. Suitable for cleaning tanks coated with zinc-silicate and all common metals.
3. **TANK CLEAN ECO VLC/ CARG HOLD CLEANER** : Tank clean eco VLC is one of the most powerful tank cleaner ever developed, it is environment friendly, non-toxic and completely biodegradable, very concentrated used with less than 0.6%, compared to tank clean neutral HCF its

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more than four times stronger. Blend of surfactants which make strong neutral degreasing agent for removing vegetable oil, animal oils and fats, neutral cleaning product based on highly efficient dissolving and low foaming nonionic surface-active agents. Especially developed for the removal of hydrocarbons from cargo tanks. It also can be used for general cleaning of lube oils and petroleum chemicals, suitable for cleaning tanks coated with zinc-silicate and all common metals including stainless steel, its also suitable for removing all Annex II Cargoes.

Tank Clean VLC can be used to clean the cargo tank of vegetable, fish, animal and mineral oils, petroleum based chemicals, hydrocarbon freeing of cargo tanks and for the cleaning and degreasing of double bottoms, deep tanks, bilges etc.

C. ACID BASED TANK CLEANER

1. **METAL BRITE HD/ RUST REMOVER** : Concentrated blend of acid based cleaner with surfactant & wetting agent used as tank cleaning to remove oxides, nitrate chloride, it will remove lime, scale & rust after hot water use.
2. **CEMENT REMOVER** : Acid based cleaner used to remove cement contamination
3. **ENVIROACID CEMENT** : Concentrated organic acid used as hydrochloric acid replacement with 90% less fumes and smell, biodegradable, ecofriendly safe to be used, can be used to clean & remove cement.
4. **ENVIROACID LIME** : Concentrated organic acid used as hydrochloric acid replacement with 90% less fumes and smell, biodegradable, ecofriendly safe to be used, can be used to clean & remove lime deposits.

D. SOLVENT BASED TANK CLEANER

1. **SEACLEAN PLUS** : Heavy duty degreasing agent based on hydrocarbon solvent, surfactant & wetting agent, used to remove & clean oil & grease from double bottom tanks Strong emulsifying cleaning agent for the removal of heavy crude oil, soot, asphalt and carbon black stains, by direct injection, Seaclean method, spraying and/or recirculation method. Based on aliphatic / aromatic hydrocarbons and non-ionic / anionic surface-active agents, Seaclean is safe to use on common metals.
2. **TANKCLEAN ECO C** : Based on 100% natural ingredients, formulated as replacement of traditional solvents as petroleum & mineral spirits, its chlorinated solvents free, low toxic compared to seaclean, high flash point solvent cleaner, used to remove & clean oil & grease of animal & vegetable & black tar, distillation residues, asphalt & resins from double bottom tanks & bilges.

E. TANK COATING

1. **SLIPCOAT**: Water based liquid product specially formulated to leave a thin, temporary non-water resistant film on cargo hold surfaces, it work excellent for vessel carrying such as per coke, cement, sulphur, coal and concretes.
2. **SLIPCOAT PLUS**: Water based liquid product specially formulated to leave a thin, temporary non-water high resistant film on cargo hold surfaces, it work excellent for vessel carrying such as per coke, cement, sulphur, coal and concretes

F. LAB GRADE CHEMICALS

Methanol, acetone, toluene, xylene, silver nitrate, potassium permanganate, nitric acid, hydrochloric acid, DI water etc.